

Title (en)
Antialiasing of silhouette edges

Title (de)
Antialiasing für Silhouetteränder

Title (fr)
Anti-crénelage des contours de silhouettes

Publication
EP 0767444 A3 19980211 (EN)

Application
EP 96307309 A 19961007

Priority
US 53995695 A 19951006

Abstract (en)
[origin: EP0767444A2] A system and method for antialiasing silhouette edges are described herein. A video interface accesses the frame buffer to retrieve a foreground color of an edge pixel that falls on the silhouette edge. The video interface estimates a background color of the edge pixel based on foreground colors of neighboring pixels that are proximate to the edge pixel. Then, the video interface interpolates between the foreground color and the estimated background color to determine an output color of the edge pixel. Also described herein are a system and method of internal edge antialiasing. <IMAGE> <IMAGE>

IPC 1-7
G06T 5/00

IPC 8 full level
G09G 5/02 (2006.01); **G06T 3/40** (2006.01); **G06T 5/00** (2006.01); **G06T 11/20** (2006.01); **G09G 5/36** (2006.01)

CPC (source: EP US)
G06T 3/403 (2013.01 - EP US); **G06T 11/40** (2013.01 - EP US); **G06T 2200/12** (2013.01 - EP US)

Citation (search report)

- [XA] US 5123085 A 19920616 - WELLS STUART C [US], et al
- [PXA] US 5528738 A 19960618 - SFARTI ADRIAN [US], et al
- [A] US 5379129 A 19950103 - OTHMER KONSTANTIN [US], et al
- [A] DUFF T: "COMPOSITING 3-D RENDERED IMAGES", OPTOELECTRONIC SIGNAL PROCESSING FOR PHASED-ARRAY ANTENNAS II, 16-17 JANUARY 1990, LOS ANGELES, CA, US, vol. 19, no. 3, July 1985 (1985-07-01), pages 41 - 44, XP002027362

Cited by
EP1371012A4; CN100354894C; CN113837955A; WO02077919A2; EP2274725A1

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EP 0767444 A2 19970409; **EP 0767444 A3 19980211**; **EP 0767444 B1 20030102**; CN 1129091 C 20031126; CN 1155715 A 19970730; DE 69625561 D1 20030206; DE 69625561 T2 20090917; JP H09179544 A 19970711; TW 378311 B 20000101; US 5742277 A 19980421

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